

PNN2 Triggers ($\overline{C_{pi} + ps16}$), i.e. no offline trigger cuts. Also, apply only PNN1 cuts in PNN2 box, except for BOX and layv4. Also, no PNN2-only cuts applied here.

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Data processed in Dec 2005 - Jan 2006.

This data has been skimmed from PNN2-ntuples with the following cuts: OR of 1/3 skims, BAD.RUN, (BOX2 or boxcuts), RSDEDXMAX, RSDEDXCL on the PNN2_SKIM set.

The title of a column describes the data set used.

pnn2 = PNN1+PNN2 data with the most up-to-date cuts applied.

pnn1 = PNN1 data with the most up-to-date cuts applied.

pnn2only = PNN2 data with the most up-to-date cuts applied.

Tables 1-5 are a summary of the long tables that follow.

The long tables track the events on a cut-by-cut basis. There are 3 columns per data set analyzed. In each column the first number in the cell is the number of events and the number in parenthesis is the rejection. The 1st column is the cuts applied sequentially; the 2nd is the application of only the listed cut; The 3rd is the number of events remaining before this cut is applied and the rejection of the cut.

Some cuts may have 787, 949, or cur attached to them. That means that the cut is set at the e787-pnn2, e949-pnn1, or the current e949-pnn2 level. Note that many of the cuts labeled cur are more than likely to be a carry over from e949-pnn1.

<i>rejection (n)</i>	pnn2e949
<i>Loose Setup</i>	17551.5 ± 12410.4 (2)
<i>TD</i>	21184.0 ± 21183.5 (1)
<i>TD · KIN</i>	1043.0 ± 1042.5 (1)

Table 1: **1-Beam Rejection Summary** of Tables 6-8. Each row is a different branch to measure the DELCO rejection. First number is the rejection. The number in parenthesis is the number of events remaining that the rejection is based upon. The minimum rejection is used in calculation of the 1-BM background for a conservative estimate.

<i>Norm. branches</i>	pnn2e949
ALL cuts below NORM	1.0 ± 1.0
<i>PV · TD norm</i>	48.0 ± 6.9
<i>CkTRS · CkTail rej</i>	3.1 ± 0.3
<i>BADEX norm</i>	117.0 ± 10.8
<i>CpiTRS · CpiTail rej</i>	66.0 ± 65.5
N_K	22.9 ± 4.0
N_{π}	1.8 ± 1.8

Table 2: **1-Beam Normalization Summary** of Tables 9-13. The ALL-cuts-below row uses the combination of all cuts in the following 4 rows (branches) and is the normalization number used in the calculation of the numbers reported in Table 5 (Total Background). The sum of the last two rows provide a check on the ALL-cuts-below number.

<i>rejection (n)</i>	pnn2e949
$Rej_{K-K} : BWTRS \cdot CkTRS \cdot CkTail$	15.5 ± 0.7 (488)
$Rej_{K-\pi} : BWTRS \cdot CpiTRS \cdot CpiTail$	28.1 ± 1.5 (360)

Table 3: **2-Beam Rejection Summary** of Tables 14-15. First number is the rejection. The number in parenthesis is the number of events remaining that the rejection is based upon. K-K is the case where two Kaons are entering the beam. K-pi is the case where we have a Kaon and a Pion entering. $\overline{B4TRS \cdot B4CCD}$ is applied.

<i>Norm. branches</i>	pnn2e949
$K-K_n : B4TRS \cdot B4CCD$	4.0 ± 2.0
$K-K_r : TG \cdot TGKIN \cdot TGPV$	28.0 ± 27.5
$K-\pi_n : B4TRS \cdot B4CCD$	29.0 ± 5.4
$K-\pi_r : TG \cdot TGKIN \cdot TGPV$	778.0 ± 777.5
N_{K-K}	0.1 ± 0.2
$N_{K-\pi}$	0.0 ± 0.0

Table 4: **2-Beam Normalization Summary** of Tables 16-19. The 2-BM Normalization has 2 branches that are further bifurcated. $K-K_{r,n}$, $K-\pi_{r,n}$ are the results of the bifurcations, r=rejection, n=normalization, which we used to determine the last two rows. N_{K-K} and $N_{K-\pi}$ are the 2-BM normalization values which are used in combination with Table 3 to give the final background in Table 5. For KK (Kpi), $\overline{CkTRS \cdot CkTAIL \cdot BWTRS}$ ($\overline{CpiTRS \cdot CpiTAIL \cdot BWTRS}$) is applied

<i>Bkgrnd ($\times 10^{-3}$)</i>	k034	e787	pnn2e949
1-BM	3.86 ± 2.36	1.66 ± 1.66	2.88 ± 2.88
2-BM <i>KK</i>	0.983 ± 0.983	145.9 ± 145.9	30.65 ± 33.80
2-BM <i>Kpi</i>	0.106 ± 0.106	19.7 ± 19.7	4.13 ± 4.20
2-BM	1.14 ± 1.14	165.6 ± 165.6	34.78 ± 34.06
<i>Total</i>	5.00 ± 2.62	167.3 ± 167.3	37.66 ± 34.31

Table 5: **Total Background**. Scaled to the 3/3 sample. k034 column is the result of e949-pnn1 analysis. e787 is the result of the e787-PNN2 analysis. The other columns are current results that are expanded upon throughout the rest of the tables. The errors are statistical. KB_{live} for k034 is 1.77×10^{12} and for e787 is 1.71×10^{12} . e787 background has been scaled up accordingly for comparison purposes.

Table 6: 1-Beam Rejection. Branch no. 1

Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>b4abm</i> 949	250002 (0.00)	1073650 (1.23)	1138 (569.00)
<i>BOX</i>	250002 (1.00)	0 (1323652.00)	2 (1.00)
<i>rsdedxmax cur</i>	250002 (1.00)	0 (1323652.00)	2 (1.00)
<i>rsdedxcl</i> 949	250002 (1.00)	0 (1323652.00)	2 (1.00)
<i>rslike cur</i>	250002 (1.00)	0 (1323652.00)	2 (1.00)
<i>rngmom cur</i>	232426 (1.08)	359941 (3.68)	15 (7.50)
<i>pv(nottg) cur</i>	161845 (1.44)	612353 (2.16)	20 (10.00)
<i>bwtrs</i>	139029 (1.16)	315980 (4.19)	2 (1.00)
<i>b4trs</i>	124720 (1.11)	312298 (4.24)	4 (2.00)
<i>b4ccd</i>	124649 (1.00)	16598 (79.75)	2 (1.00)
<i>tgqualt</i>	114683 (1.09)	112817 (11.73)	3 (1.50)
<i>timcon</i>	114079 (1.01)	17411 (76.02)	2 (1.00)
<i>epitg</i> 949	113682 (1.00)	40504 (32.68)	2 (1.00)
<i>tger</i> 949	113132 (1.00)	38705 (34.20)	2 (1.00)
<i>targf</i> 949	109025 (1.04)	194838 (6.79)	5 (2.50)
<i>ticcon</i> 949	109023 (1.00)	256 (5170.52)	2 (1.00)
<i>dtgttp</i> 949	109001 (1.00)	1096 (1207.71)	2 (1.00)
<i>rtdif</i> 949	104932 (1.04)	27597 (47.96)	2 (1.00)
<i>epimaxk</i> 949	100761 (1.04)	87311 (15.16)	2 (1.00)
<i>drp</i> 949	97938 (1.03)	26739 (49.50)	2 (1.00)
<i>phivtx1</i> 949	77912 (1.26)	297616 (4.45)	5 (2.50)
<i>iccon</i> 949	76169 (1.02)	60740 (21.79)	2 (1.00)
<i>opsveto</i> 949	60874 (1.25)	440046 (3.01)	4 (2.00)
<i>kic</i> 949	54389 (1.12)	251430 (5.26)	3 (1.50)
<i>tggeo</i>	46919 (1.16)	566378 (2.34)	4 (2.00)
<i>tdedge</i> 949	43768 (1.07)	172687 (7.67)	2 (1.00)
<i>tgzfool</i> 949	43690 (1.00)	22267 (59.44)	2 (1.00)
<i>upvtrs</i>	37962 (1.15)	87418 (15.14)	2 (1.00)
<i>rvtrs</i>	37788 (1.00)	26032 (50.85)	2 (1.00)
<i>tgtcon</i>	36062 (1.05)	114928 (11.52)	10 (5.00)
<i>b4etcon</i>	35103 (1.03)	40577 (32.62)	2 (1.00)
<i>DELCO</i> 949	2 (17551.50)	874156 (1.51)	35103 (17551.50)
Total Rej.	17551.50		

Table 7: 1-Beam Rejection. Branch no. 2

Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>b4abm</i> 949	250002 (0.00)	1073650 (1.23)	629 (629.00)
<i>BOX</i>	250002 (1.00)	0 (1323652.00)	1 (1.00)
<i>rsdedxmax cur</i>	250002 (1.00)	0 (1323652.00)	1 (1.00)
<i>rsdedxcl</i> 949	250002 (1.00)	0 (1323652.00)	1 (1.00)
<i>rslike cur</i>	250002 (1.00)	0 (1323652.00)	1 (1.00)
<i>rngmom cur</i>	232426 (1.08)	359941 (3.68)	1 (1.00)
<i>pv(nottg) cur</i>	161845 (1.44)	612353 (2.16)	11 (11.00)
<i>bwtrs</i>	139029 (1.16)	315980 (4.19)	1 (1.00)
<i>b4trs</i>	124720 (1.11)	312298 (4.24)	2 (2.00)
<i>b4ccd</i>	124649 (1.00)	16598 (79.75)	1 (1.00)
<i>tgqualt</i>	114683 (1.09)	112817 (11.73)	2 (2.00)
<i>timcon</i>	114079 (1.01)	17411 (76.02)	1 (1.00)
<i>epitg</i> 949	113682 (1.00)	40504 (32.68)	1 (1.00)
<i>tger</i> 949	113132 (1.00)	38705 (34.20)	1 (1.00)
<i>targf</i> 949	109025 (1.04)	194838 (6.79)	3 (3.00)
<i>ticcon</i> 949	109023 (1.00)	256 (5170.52)	1 (1.00)
<i>dtgttp</i> 949	109001 (1.00)	1096 (1207.71)	1 (1.00)
<i>rtdif</i> 949	104932 (1.04)	27597 (47.96)	1 (1.00)
<i>epimaxk</i> 949	100761 (1.04)	87311 (15.16)	1 (1.00)
<i>drp</i> 949	97938 (1.03)	26739 (49.50)	1 (1.00)
<i>phivtx1</i> 949	77912 (1.26)	297616 (4.45)	3 (3.00)
<i>iccon</i> 949	76169 (1.02)	60740 (21.79)	1 (1.00)
<i>opsveto</i> 949	60874 (1.25)	440046 (3.01)	2 (2.00)
<i>kic</i> 949	54389 (1.12)	251430 (5.26)	1 (1.00)
<i>tggeo</i>	46919 (1.16)	566378 (2.34)	1 (1.00)
<i>tdedge</i> 949	43768 (1.07)	172687 (7.67)	1 (1.00)
<i>tgzfool</i> 949	43690 (1.00)	22267 (59.44)	1 (1.00)
<i>upvtrs</i>	37962 (1.15)	87418 (15.14)	1 (1.00)
<i>rvtrs</i>	37788 (1.00)	26032 (50.85)	1 (1.00)
<i>tgtcon</i>	36062 (1.05)	114928 (11.52)	6 (6.00)
<i>b4etcon</i>	35103 (1.03)	40577 (32.62)	1 (1.00)
<i>piflg</i>	35006 (1.00)	38168 (34.68)	1 (1.00)
<i>ev502</i>	28198 (1.24)	344517 (3.84)	1 (1.00)
<i>elveto</i>	25882 (1.09)	304340 (4.35)	1 (1.00)
<i>tdfool</i>	25816 (1.00)	224314 (5.90)	1 (1.00)
<i>tdvarnn02</i>	21184 (1.22)	465966 (2.84)	1 (1.00)
TD	21184 (1.00)	715107 (1.85)	1 (1.00)
<i>DELCO</i> 949	1 (21184.00)	874156 (1.51)	21184 (21184.00)
Total Rej.		21184.00	

Table 8: 1-Beam Rejection. Branch no. 3

Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>b4abm</i> 949	250002 (0.00)	1073650 (1.23)	15 (15.00)
<i>BOX</i>	250002 (1.00)	0 (1323652.00)	0 (0.00)
<i>rsdedxmax</i> cur	250002 (1.00)	0 (1323652.00)	0 (0.00)
<i>rsdedxcl</i> 949	250002 (1.00)	0 (1323652.00)	0 (0.00)
<i>rslike</i> cur	250002 (1.00)	0 (1323652.00)	0 (0.00)
<i>rngmom</i> cur	232426 (1.08)	359941 (3.68)	0 (0.00)
<i>pv(nottg)</i> cur	161845 (1.44)	612353 (2.16)	0 (0.00)
<i>bwtrs</i>	139029 (1.16)	315980 (4.19)	0 (0.00)
<i>b4trs</i>	124720 (1.11)	312298 (4.24)	0 (0.00)
<i>b4ccd</i>	124649 (1.00)	16598 (79.75)	0 (0.00)
<i>tgqualt</i>	114683 (1.09)	112817 (11.73)	0 (0.00)
<i>timcon</i>	114079 (1.01)	17411 (76.02)	0 (0.00)
<i>epitg</i> 949	113682 (1.00)	40504 (32.68)	0 (0.00)
<i>tger</i> 949	113132 (1.00)	38705 (34.20)	0 (0.00)
<i>targf</i> 949	109025 (1.04)	194838 (6.79)	0 (0.00)
<i>ticcon</i> 949	109023 (1.00)	256 (5170.52)	0 (0.00)
<i>dtgttp</i> 949	109001 (1.00)	1096 (1207.71)	0 (0.00)
<i>rtdif</i> 949	104932 (1.04)	27597 (47.96)	0 (0.00)
<i>epimaxk</i> 949	100761 (1.04)	87311 (15.16)	0 (0.00)
<i>drp</i> 949	97938 (1.03)	26739 (49.50)	0 (0.00)
<i>phivtx1</i> 949	77912 (1.26)	297616 (4.45)	0 (0.00)
<i>iccon</i> 949	76169 (1.02)	60740 (21.79)	0 (0.00)
<i>opsveto</i> 949	60874 (1.25)	440046 (3.01)	0 (0.00)
<i>kic</i> 949	54389 (1.12)	251430 (5.26)	0 (0.00)
<i>tggeo</i>	46919 (1.16)	566378 (2.34)	0 (0.00)
<i>tdedge</i> 949	43768 (1.07)	172687 (7.67)	0 (0.00)
<i>tgzfool</i> 949	43690 (1.00)	22267 (59.44)	0 (0.00)
<i>upvtrs</i>	37962 (1.15)	87418 (15.14)	0 (0.00)
<i>rvtrs</i>	37788 (1.00)	26032 (50.85)	0 (0.00)
<i>tgtcon</i>	36062 (1.05)	114928 (11.52)	0 (0.00)
<i>b4etcon</i>	35103 (1.03)	40577 (32.62)	0 (0.00)
<i>pi_flg</i>	35006 (1.00)	38168 (34.68)	0 (0.00)
<i>ev502</i>	28198 (1.24)	344517 (3.84)	0 (0.00)
<i>elveto</i>	25882 (1.09)	304340 (4.35)	0 (0.00)
<i>tdfool</i>	25816 (1.00)	224314 (5.90)	0 (0.00)
<i>tdvarnn02</i>	21184 (1.22)	465966 (2.84)	0 (0.00)
TD	21184 (1.00)	715107 (1.85)	0 (0.00)
<i>BOX</i>	21184 (1.00)	0 (1323652.00)	0 (0.00)
<i>icodel14</i>	21184 (1.00)	5 (264730.00)	0 (0.00)
<i>cos3d</i>	20185 (1.05)	99069 (13.36)	0 (0.00)
<i>layv4</i>	20185 (1.00)	0 (1323652.00)	0 (0.00)
<i>zfrf</i>	20177 (1.00)	2075 (637.90)	0 (0.00)
<i>zutout</i>	20174 (1.00)	1044 (1267.87)	0 (0.00)
FIDUCIAL 949	3081 (6.55)	1176524 (1.13)	1 (1.00)
<i>utqual</i> 949	2729 (1.13)	406841 (3.25)	0 (0.00)
<i>rsdedxcl</i> 949	2729 (1.00)	0 (1323652.00)	0 (0.00)

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Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>rsdedxmax cur</i>	2729 (1.00)	0 (1323652.00)	0 (0.00)
<i>rslike cur</i>	2729 (1.00)	0 (1323652.00)	0 (0.00)
<i>rngmom cur</i>	2729 (1.00)	359941 (3.68)	0 (0.00)
<i>prrf1 949</i>	2404 (1.14)	485161 (2.73)	0 (0.00)
<i>prrfz 949</i>	2214 (1.09)	194953 (6.79)	0 (0.00)
PRRF 949	2214 (1.00)	621218 (2.13)	0 (0.00)
<i>rtghi</i>	2214 (1.00)	3582 (369.53)	0 (0.00)
<i>etghi</i>	2214 (1.00)	26950 (49.12)	0 (0.00)
<i>tgdedx1</i>	2133 (1.04)	245341 (5.40)	0 (0.00)
<i>tgdedx2</i>	2066 (1.03)	113669 (11.64)	0 (0.00)
tgdedx	2066 (1.00)	373308 (3.55)	0 (0.00)
<i>tglike1 cur</i>	1939 (1.07)	198124 (6.68)	0 (0.00)
<i>tglike2 cur</i>	1834 (1.06)	172397 (7.68)	0 (0.00)
TGLIKE cur	1834 (1.00)	264217 (5.01)	0 (0.00)
<i>tgdb4 cur</i>	1788 (1.03)	110243 (12.01)	0 (0.00)
<i>tgdb4tip cur</i>	1281 (1.40)	345350 (3.83)	0 (0.00)
<i>tgdvxtip cur</i>	1100 (1.16)	196152 (6.75)	0 (0.00)
<i>tgdvxpi cur</i>	1052 (1.05)	149152 (8.87)	0 (0.00)
TGB4 cur	1052 (1.00)	520391 (2.54)	0 (0.00)
<i>pigap cur</i>	1043 (1.01)	95192 (13.91)	0 (0.00)
KIN 949	1043 (1.00)	1200615 (1.10)	0 (0.00)
<i>DELCO 949</i>	0 (1043.00)	874156 (1.51)	1043 (1043.00)
Total Rej.	1043.00		

Table 9: 1-Beam Normalization. Branch no. 1

Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>BOX</i>	1323652 (0.00)	0 (1323652.00)	1 (1.00)
<i>rsdedxmax cur</i>	1323652 (1.00)	0 (1323652.00)	1 (1.00)
<i>rsdedxcl 949</i>	1323652 (1.00)	0 (1323652.00)	1 (1.00)
<i>rslike cur</i>	1323652 (1.00)	0 (1323652.00)	1 (1.00)
<i>rngmom cur</i>	963711 (1.37)	359941 (3.68)	1 (1.00)
<i>BOX</i>	963711 (1.00)	0 (1323652.00)	1 (1.00)
<i>icodel14</i>	963711 (1.00)	5 (264730.00)	1 (1.00)
<i>cos3d</i>	880483 (1.09)	99069 (13.36)	1 (1.00)
<i>layv4</i>	880483 (1.00)	0 (1323652.00)	1 (1.00)
<i>zfrf</i>	879419 (1.00)	2075 (637.90)	1 (1.00)
<i>zutout</i>	878925 (1.00)	1044 (1267.87)	1 (1.00)
FIDUCIAL 949	121577 (7.23)	1176524 (1.13)	42 (42.00)
<i>utcqual 949</i>	96225 (1.26)	406841 (3.25)	1 (1.00)
<i>rsdedxcl 949</i>	96225 (1.00)	0 (1323652.00)	1 (1.00)
<i>rsdedxmax cur</i>	96225 (1.00)	0 (1323652.00)	1 (1.00)
<i>rslike cur</i>	96225 (1.00)	0 (1323652.00)	1 (1.00)
<i>tgktim off</i>	96225 (1.00)	0 (1323652.00)	1 (1.00)
<i>rngmom cur</i>	96225 (1.00)	359941 (3.68)	1 (1.00)
<i>prrf1 949</i>	83936 (1.15)	485161 (2.73)	1 (1.00)
<i>prrfz 949</i>	76378 (1.10)	194953 (6.79)	1 (1.00)
PRRF 949	76378 (1.00)	621218 (2.13)	1 (1.00)
<i>rtghi</i>	76378 (1.00)	3582 (369.53)	1 (1.00)
<i>etghi</i>	76378 (1.00)	26950 (49.12)	1 (1.00)
<i>tgdedx1</i>	67468 (1.13)	245341 (5.40)	1 (1.00)
<i>tgdedx2</i>	63400 (1.06)	113669 (11.64)	1 (1.00)
tgdedx	63400 (1.00)	373308 (3.55)	1 (1.00)
<i>tglike1 cur</i>	57369 (1.11)	198124 (6.68)	1 (1.00)
<i>tglike2 cur</i>	53986 (1.06)	172397 (7.68)	1 (1.00)
TGLIKE cur	53986 (1.00)	264217 (5.01)	1 (1.00)
<i>tgdb4 cur</i>	49903 (1.08)	110243 (12.01)	1 (1.00)
<i>tgdb4tip cur</i>	36629 (1.36)	345350 (3.83)	1 (1.00)
<i>tgdvxtip cur</i>	31634 (1.16)	196152 (6.75)	1 (1.00)
<i>tgdvxpi cur</i>	30512 (1.04)	149152 (8.87)	1 (1.00)
TGB4 cur	30512 (1.00)	520391 (2.54)	1 (1.00)
<i>pigap cur</i>	29962 (1.02)	95192 (13.91)	1 (1.00)
KIN 949	29962 (1.00)	1200615 (1.10)	1 (1.00)
<i>tgpv cur</i>	19325 (1.55)	460389 (2.88)	1 (1.00)
<i>bwtrs</i>	16900 (1.14)	315980 (4.19)	1 (1.00)
<i>b4trs</i>	15360 (1.10)	312298 (4.24)	1 (1.00)
<i>b4ccd</i>	15283 (1.01)	16598 (79.75)	1 (1.00)
<i>tgqualt</i>	12261 (1.25)	112817 (11.73)	1 (1.00)
<i>timcon</i>	12189 (1.01)	17411 (76.02)	1 (1.00)
<i>epitg 949</i>	12184 (1.00)	40504 (32.68)	1 (1.00)
<i>tger 949</i>	12168 (1.00)	38705 (34.20)	1 (1.00)
<i>targf 949</i>	11713 (1.04)	194838 (6.79)	1 (1.00)
<i>ticcon 949</i>	11712 (1.00)	256 (5170.52)	1 (1.00)

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Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>dtgttp</i> 949	11711 (1.00)	1096 (1207.71)	1 (1.00)
<i>rtdif</i> 949	11494 (1.02)	27597 (47.96)	1 (1.00)
<i>epimaxk</i> 949	11393 (1.01)	87311 (15.16)	1 (1.00)
<i>drp</i> 949	11196 (1.02)	26739 (49.50)	1 (1.00)
<i>phivtx1</i> 949	9597 (1.17)	297616 (4.45)	2 (2.00)
<i>eccon</i> 949	9405 (1.02)	60740 (21.79)	2 (2.00)
<i>opsveto</i> 949	7379 (1.27)	440046 (3.01)	2 (2.00)
<i>kic</i> 949	6300 (1.17)	251430 (5.26)	1 (1.00)
<i>tggeo</i>	4821 (1.31)	566378 (2.34)	1 (1.00)
<i>tdedge</i> 949	4653 (1.04)	172687 (7.67)	1 (1.00)
<i>tgzfool</i> 949	4653 (1.00)	22267 (59.44)	1 (1.00)
<i>upvtrs</i>	4114 (1.13)	87418 (15.14)	1 (1.00)
<i>rvtrs</i>	4097 (1.00)	26032 (50.85)	1 (1.00)
<i>tgtcon</i>	3874 (1.06)	114928 (11.52)	2 (2.00)
<i>b4etcon</i>	3778 (1.03)	40577 (32.62)	1 (1.00)
<i>b4ekz cur</i>	1141 (3.31)	861527 (1.54)	1 (1.00)
<i>b4ekzic cur</i>	1141 (1.00)	148641 (8.91)	1 (1.00)
<i>b4tim off</i>	1141 (1.00)	0 (1323652.00)	1 (1.00)
<i>tgktim off</i>	1141 (1.00)	0 (1323652.00)	1 (1.00)
<i>tgenr off</i>	1141 (1.00)	0 (1323652.00)	1 (1.00)
<i>chi567 off</i>	1141 (1.00)	0 (1323652.00)	1 (1.00)
<i>npitg</i>	1141 (1.00)	112817 (11.73)	1 (1.00)
<i>verrng off</i>	1141 (1.00)	0 (1323652.00)	1 (1.00)
<i>chi5max off</i>	1141 (1.00)	0 (1323652.00)	1 (1.00)
<i>angli off</i>	1141 (1.00)	0 (1323652.00)	1 (1.00)
<i>ALLK fit off</i>	1141 (1.00)	0 (1323652.00)	1 (1.00)
<i>tpics off</i>	1141 (1.00)	0 (1323652.00)	1 (1.00)
<i>epionk off</i>	1141 (1.00)	0 (1323652.00)	1 (1.00)
<i>ccd pul off</i>	1141 (1.00)	0 (1323652.00)	1 (1.00)
<i>timkf off</i>	1141 (1.00)	0 (1323652.00)	1 (1.00)
DELCO 949	596 (1.91)	449496 (2.94)	14 (14.00)
<i>cpitrs cur</i>	264 (2.26)	427884 (3.09)	96 (96.00)
<i>cpitail cur</i>	264 (1.00)	76123 (17.39)	1 (1.00)
<i>b4dedx cur</i>	257 (1.03)	296881 (4.46)	1 (1.00)
<i>cktrs cur</i>	90 (2.86)	512538 (2.58)	27 (27.00)
<i>cktail cur</i>	68 (1.32)	303397 (4.36)	1 (1.00)
<i>PV cur</i>	3 (22.67)	817253 (1.62)	46 (46.00)
<i>pi flg</i>	3 (1.00)	38168 (34.68)	1 (1.00)
<i>ev502</i>	2 (1.50)	344517 (3.84)	1 (1.00)
<i>elveto</i>	2 (1.00)	304340 (4.35)	1 (1.00)
<i>tdfool</i>	2 (1.00)	224314 (5.90)	1 (1.00)
<i>tdvarnn02</i>	1 (2.00)	465966 (2.84)	1 (1.00)
TD	1 (1.00)	715107 (1.85)	1 (1.00)
Total Rej.		596.00	

Table 10: 1-Beam Normalization. Branch no. 2

Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>BOX</i>	1323652 (0.00)	0 (1323652.00)	48 (1.00)
<i>rsdedxmax cur</i>	1323652 (1.00)	0 (1323652.00)	48 (1.00)
<i>rsdedxcl 949</i>	1323652 (1.00)	0 (1323652.00)	48 (1.00)
<i>rslike cur</i>	1323652 (1.00)	0 (1323652.00)	48 (1.00)
<i>rngmom cur</i>	963711 (1.37)	359941 (3.68)	48 (1.00)
<i>BOX</i>	963711 (1.00)	0 (1323652.00)	48 (1.00)
<i>icodel14</i>	963711 (1.00)	5 (264730.00)	48 (1.00)
<i>cos3d</i>	880483 (1.09)	99069 (13.36)	48 (1.00)
<i>layv4</i>	880483 (1.00)	0 (1323652.00)	48 (1.00)
<i>zfrf</i>	879419 (1.00)	2075 (637.90)	48 (1.00)
<i>zutout</i>	878925 (1.00)	1044 (1267.87)	48 (1.00)
FIDUCIAL 949	121577 (7.23)	1176524 (1.13)	564 (11.75)
<i>utcqual 949</i>	96225 (1.26)	406841 (3.25)	48 (1.00)
<i>rsdedxcl 949</i>	96225 (1.00)	0 (1323652.00)	48 (1.00)
<i>rsdedxmax cur</i>	96225 (1.00)	0 (1323652.00)	48 (1.00)
<i>rslike cur</i>	96225 (1.00)	0 (1323652.00)	48 (1.00)
<i>tgktim off</i>	96225 (1.00)	0 (1323652.00)	48 (1.00)
<i>rngmom cur</i>	96225 (1.00)	359941 (3.68)	48 (1.00)
<i>prrf1 949</i>	83936 (1.15)	485161 (2.73)	48 (1.00)
<i>prrfz 949</i>	76378 (1.10)	194953 (6.79)	48 (1.00)
PRRF 949	76378 (1.00)	621218 (2.13)	48 (1.00)
<i>rtghi</i>	76378 (1.00)	3582 (369.53)	48 (1.00)
<i>etghi</i>	76378 (1.00)	26950 (49.12)	48 (1.00)
<i>tgdedx1</i>	67468 (1.13)	245341 (5.40)	48 (1.00)
<i>tgdedx2</i>	63400 (1.06)	113669 (11.64)	48 (1.00)
tgdedx	63400 (1.00)	373308 (3.55)	48 (1.00)
<i>tglike1 cur</i>	57369 (1.11)	198124 (6.68)	48 (1.00)
<i>tglike2 cur</i>	53986 (1.06)	172397 (7.68)	48 (1.00)
TGLIKE cur	53986 (1.00)	264217 (5.01)	48 (1.00)
<i>tgdb4 cur</i>	49903 (1.08)	110243 (12.01)	48 (1.00)
<i>tgdb4tip cur</i>	36629 (1.36)	345350 (3.83)	48 (1.00)
<i>tgdvxtip cur</i>	31634 (1.16)	196152 (6.75)	48 (1.00)
<i>tgdvxpi cur</i>	30512 (1.04)	149152 (8.87)	48 (1.00)
TGB4 cur	30512 (1.00)	520391 (2.54)	48 (1.00)
<i>pigap cur</i>	29962 (1.02)	95192 (13.91)	48 (1.00)
KIN 949	29962 (1.00)	1200615 (1.10)	48 (1.00)
<i>tgpv cur</i>	19325 (1.55)	460389 (2.88)	48 (1.00)
<i>bwtrs</i>	16900 (1.14)	315980 (4.19)	50 (1.04)
<i>b4trs</i>	15360 (1.10)	312298 (4.24)	53 (1.10)
<i>b4ccd</i>	15283 (1.01)	16598 (79.75)	48 (1.00)
<i>tgqualt</i>	12261 (1.25)	112817 (11.73)	48 (1.00)
<i>timcon</i>	12189 (1.01)	17411 (76.02)	48 (1.00)
<i>epitg 949</i>	12184 (1.00)	40504 (32.68)	48 (1.00)
<i>tger 949</i>	12168 (1.00)	38705 (34.20)	48 (1.00)
<i>targf 949</i>	11713 (1.04)	194838 (6.79)	50 (1.04)
<i>ticcon 949</i>	11712 (1.00)	256 (5170.52)	48 (1.00)
<i>continued on next page</i>			

Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>dtgtp</i> 949	11711 (1.00)	1096 (1207.71)	48 (1.00)
<i>rtdif</i> 949	11494 (1.02)	27597 (47.96)	49 (1.02)
<i>epimaxk</i> 949	11393 (1.01)	87311 (15.16)	48 (1.00)
<i>drp</i> 949	11196 (1.02)	26739 (49.50)	49 (1.02)
<i>phivtx1</i> 949	9597 (1.17)	297616 (4.45)	51 (1.06)
<i>eccon</i> 949	9405 (1.02)	60740 (21.79)	51 (1.06)
<i>opsveto</i> 949	7379 (1.27)	440046 (3.01)	63 (1.31)
<i>kic</i> 949	6300 (1.17)	251430 (5.26)	48 (1.00)
<i>tggeo</i>	4821 (1.31)	566378 (2.34)	58 (1.21)
<i>tdedge</i> 949	4653 (1.04)	172687 (7.67)	49 (1.02)
<i>tgzfool</i> 949	4653 (1.00)	22267 (59.44)	48 (1.00)
<i>upvtrs</i>	4114 (1.13)	87418 (15.14)	51 (1.06)
<i>rvtrs</i>	4097 (1.00)	26032 (50.85)	48 (1.00)
<i>tgtcon</i>	3874 (1.06)	114928 (11.52)	48 (1.00)
<i>b4etcon</i>	3778 (1.03)	40577 (32.62)	48 (1.00)
<i>b4ekz cur</i>	1141 (3.31)	861527 (1.54)	77 (1.60)
<i>b4ekzic cur</i>	1141 (1.00)	148641 (8.91)	48 (1.00)
<i>b4tim off</i>	1141 (1.00)	0 (1323652.00)	48 (1.00)
<i>tgktim off</i>	1141 (1.00)	0 (1323652.00)	48 (1.00)
<i>tgenr off</i>	1141 (1.00)	0 (1323652.00)	48 (1.00)
<i>chi567 off</i>	1141 (1.00)	0 (1323652.00)	48 (1.00)
<i>npitg</i>	1141 (1.00)	112817 (11.73)	48 (1.00)
<i>verrng off</i>	1141 (1.00)	0 (1323652.00)	48 (1.00)
<i>chi5max off</i>	1141 (1.00)	0 (1323652.00)	48 (1.00)
<i>angli off</i>	1141 (1.00)	0 (1323652.00)	48 (1.00)
<i>ALLK fit off</i>	1141 (1.00)	0 (1323652.00)	48 (1.00)
<i>tpics off</i>	1141 (1.00)	0 (1323652.00)	48 (1.00)
<i>epionk off</i>	1141 (1.00)	0 (1323652.00)	48 (1.00)
<i>ccd pul off</i>	1141 (1.00)	0 (1323652.00)	48 (1.00)
<i>timkf off</i>	1141 (1.00)	0 (1323652.00)	48 (1.00)
<i>DELCO</i> 949	596 (1.91)	449496 (2.94)	48 (1.00)
<i>cpitrs cur</i>	264 (2.26)	427884 (3.09)	52 (1.08)
<i>cpitail cur</i>	264 (1.00)	76123 (17.39)	48 (1.00)
<i>b4dedx cur</i>	257 (1.03)	296881 (4.46)	51 (1.06)
<i>cktrs · cktail</i>	189 (1.36)	757593 (1.75)	49 (1.02)
<i>PV cur</i>	66 (2.86)	817253 (1.62)	112 (2.33)
<i>pi flg</i>	66 (1.00)	38168 (34.68)	48 (1.00)
<i>ev502</i>	56 (1.18)	344517 (3.84)	48 (1.00)
<i>elveto</i>	55 (1.02)	304340 (4.35)	48 (1.00)
<i>tdfool</i>	55 (1.00)	224314 (5.90)	48 (1.00)
<i>tdvarnn02</i>	48 (1.15)	465966 (2.84)	48 (1.00)
TD	48 (1.00)	715107 (1.85)	48 (1.00)
Total Rej.		3.94	

Table 11: 1-Beam Normalization. Branch no. 3

Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>BOX</i>	1323652 (0.00)	0 (1323652.00)	67 (1.00)
<i>rsdedxmax cur</i>	1323652 (1.00)	0 (1323652.00)	67 (1.00)
<i>rsdedxcl 949</i>	1323652 (1.00)	0 (1323652.00)	67 (1.00)
<i>rslike cur</i>	1323652 (1.00)	0 (1323652.00)	67 (1.00)
<i>rngmom cur</i>	963711 (1.37)	359941 (3.68)	67 (1.00)
<i>BOX</i>	963711 (1.00)	0 (1323652.00)	67 (1.00)
<i>icodel14</i>	963711 (1.00)	5 (264730.00)	67 (1.00)
<i>cos3d</i>	880483 (1.09)	99069 (13.36)	67 (1.00)
<i>layv4</i>	880483 (1.00)	0 (1323652.00)	67 (1.00)
<i>zfrf</i>	879419 (1.00)	2075 (637.90)	67 (1.00)
<i>zutout</i>	878925 (1.00)	1044 (1267.87)	67 (1.00)
FIDUCIAL 949	121577 (7.23)	1176524 (1.13)	811 (12.10)
<i>utcqual 949</i>	96225 (1.26)	406841 (3.25)	67 (1.00)
<i>rsdedxcl 949</i>	96225 (1.00)	0 (1323652.00)	67 (1.00)
<i>rsdedxmax cur</i>	96225 (1.00)	0 (1323652.00)	67 (1.00)
<i>rslike cur</i>	96225 (1.00)	0 (1323652.00)	67 (1.00)
<i>tgktim off</i>	96225 (1.00)	0 (1323652.00)	67 (1.00)
<i>rngmom cur</i>	96225 (1.00)	359941 (3.68)	67 (1.00)
<i>prrf1 949</i>	83936 (1.15)	485161 (2.73)	67 (1.00)
<i>prrfz 949</i>	76378 (1.10)	194953 (6.79)	67 (1.00)
PRRF 949	76378 (1.00)	621218 (2.13)	67 (1.00)
<i>rtghi</i>	76378 (1.00)	3582 (369.53)	67 (1.00)
<i>etghi</i>	76378 (1.00)	26950 (49.12)	67 (1.00)
<i>tgdedx1</i>	67468 (1.13)	245341 (5.40)	67 (1.00)
<i>tgdedx2</i>	63400 (1.06)	113669 (11.64)	67 (1.00)
tgdedx	63400 (1.00)	373308 (3.55)	67 (1.00)
<i>tglike1 cur</i>	57369 (1.11)	198124 (6.68)	67 (1.00)
<i>tglike2 cur</i>	53986 (1.06)	172397 (7.68)	67 (1.00)
TGLIKE cur	53986 (1.00)	264217 (5.01)	67 (1.00)
<i>tgdb4 cur</i>	49903 (1.08)	110243 (12.01)	67 (1.00)
<i>tgdb4tip cur</i>	36629 (1.36)	345350 (3.83)	67 (1.00)
<i>tgdvxtip cur</i>	31634 (1.16)	196152 (6.75)	67 (1.00)
<i>tgdvxpi cur</i>	30512 (1.04)	149152 (8.87)	67 (1.00)
TGB4 cur	30512 (1.00)	520391 (2.54)	67 (1.00)
<i>pigap cur</i>	29962 (1.02)	95192 (13.91)	67 (1.00)
KIN 949	29962 (1.00)	1200615 (1.10)	67 (1.00)
<i>tgpv cur</i>	19325 (1.55)	460389 (2.88)	72 (1.07)
<i>bwtrs</i>	16900 (1.14)	315980 (4.19)	69 (1.03)
<i>b4trs</i>	15360 (1.10)	312298 (4.24)	68 (1.01)
<i>b4ccd</i>	15283 (1.01)	16598 (79.75)	68 (1.01)
<i>tgqualt</i>	12261 (1.25)	112817 (11.73)	67 (1.00)
<i>timcon</i>	12189 (1.01)	17411 (76.02)	67 (1.00)
<i>epitg 949</i>	12184 (1.00)	40504 (32.68)	67 (1.00)
<i>tger 949</i>	12168 (1.00)	38705 (34.20)	67 (1.00)
<i>targf 949</i>	11713 (1.04)	194838 (6.79)	70 (1.04)
<i>ticcon 949</i>	11712 (1.00)	256 (5170.52)	67 (1.00)

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Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>dtgttp</i> 949	11711 (1.00)	1096 (1207.71)	67 (1.00)
<i>rtdif</i> 949	11494 (1.02)	27597 (47.96)	69 (1.03)
<i>epimaxk</i> 949	11393 (1.01)	87311 (15.16)	69 (1.03)
<i>drp</i> 949	11196 (1.02)	26739 (49.50)	70 (1.04)
<i>phivtx1</i> 949	9597 (1.17)	297616 (4.45)	80 (1.19)
<i>ecccon</i> 949	9405 (1.02)	60740 (21.79)	68 (1.01)
<i>opsveto</i> 949	7379 (1.27)	440046 (3.01)	77 (1.15)
<i>kic</i> 949	6300 (1.17)	251430 (5.26)	67 (1.00)
<i>tggeo</i>	4821 (1.31)	566378 (2.34)	96 (1.43)
<i>tdedge</i> 949	4653 (1.04)	172687 (7.67)	68 (1.01)
<i>tgzfool</i> 949	4653 (1.00)	22267 (59.44)	67 (1.00)
<i>upvtrs</i>	4114 (1.13)	87418 (15.14)	68 (1.01)
<i>rvtrs</i>	4097 (1.00)	26032 (50.85)	67 (1.00)
<i>tgtcon</i>	3874 (1.06)	114928 (11.52)	122 (1.82)
<i>b4etcon</i>	3778 (1.03)	40577 (32.62)	67 (1.00)
<i>b4ekz cur</i>	1141 (3.31)	861527 (1.54)	73 (1.09)
<i>b4ekzic cur</i>	1141 (1.00)	148641 (8.91)	67 (1.00)
<i>b4tim off</i>	1141 (1.00)	0 (1323652.00)	67 (1.00)
<i>tgktim off</i>	1141 (1.00)	0 (1323652.00)	67 (1.00)
<i>tgenr off</i>	1141 (1.00)	0 (1323652.00)	67 (1.00)
<i>chi567 off</i>	1141 (1.00)	0 (1323652.00)	67 (1.00)
<i>npitg</i>	1141 (1.00)	112817 (11.73)	67 (1.00)
<i>verrng off</i>	1141 (1.00)	0 (1323652.00)	67 (1.00)
<i>chi5max off</i>	1141 (1.00)	0 (1323652.00)	67 (1.00)
<i>angli off</i>	1141 (1.00)	0 (1323652.00)	67 (1.00)
<i>ALLK fit off</i>	1141 (1.00)	0 (1323652.00)	67 (1.00)
<i>tpics off</i>	1141 (1.00)	0 (1323652.00)	67 (1.00)
<i>epionk off</i>	1141 (1.00)	0 (1323652.00)	67 (1.00)
<i>ccd pul off</i>	1141 (1.00)	0 (1323652.00)	67 (1.00)
<i>timkf off</i>	1141 (1.00)	0 (1323652.00)	67 (1.00)
<i>DELCO</i> 949	596 (1.91)	449496 (2.94)	586 (8.75)
<i>cpitrs cur</i>	264 (2.26)	427884 (3.09)	151 (2.25)
<i>cpitail cur</i>	264 (1.00)	76123 (17.39)	67 (1.00)
<i>b4dedx cur</i>	257 (1.03)	296881 (4.46)	67 (1.00)
<i>PV · TD</i>	208 (1.24)	200106 (6.61)	68 (1.01)
<i>cktrs cur</i>	89 (2.34)	512538 (2.58)	125 (1.87)
<i>cktail cur</i>	67 (1.33)	303397 (4.36)	89 (1.33)
Total Rej.	3.10		

Table 12: 1-Beam Normalization. Branch no. 4

Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>BOX</i>	1323652 (0.00)	0 (1323652.00)	117 (1.00)
<i>rsdedxmax cur</i>	1323652 (1.00)	0 (1323652.00)	117 (1.00)
<i>rsdedxcl 949</i>	1323652 (1.00)	0 (1323652.00)	117 (1.00)
<i>rslike cur</i>	1323652 (1.00)	0 (1323652.00)	117 (1.00)
<i>rngmom cur</i>	963711 (1.37)	359941 (3.68)	117 (1.00)
<i>BOX</i>	963711 (1.00)	0 (1323652.00)	117 (1.00)
<i>icodel14</i>	963711 (1.00)	5 (264730.00)	117 (1.00)
<i>cos3d</i>	880483 (1.09)	99069 (13.36)	117 (1.00)
<i>layv4</i>	880483 (1.00)	0 (1323652.00)	117 (1.00)
<i>zfrf</i>	879419 (1.00)	2075 (637.90)	117 (1.00)
<i>zutout</i>	878925 (1.00)	1044 (1267.87)	117 (1.00)
FIDUCIAL 949	121577 (7.23)	1176524 (1.13)	453 (3.87)
<i>utcqual 949</i>	96225 (1.26)	406841 (3.25)	117 (1.00)
<i>rsdedxcl 949</i>	96225 (1.00)	0 (1323652.00)	117 (1.00)
<i>rsdedxmax cur</i>	96225 (1.00)	0 (1323652.00)	117 (1.00)
<i>rslike cur</i>	96225 (1.00)	0 (1323652.00)	117 (1.00)
<i>tgktim off</i>	96225 (1.00)	0 (1323652.00)	117 (1.00)
<i>rngmom cur</i>	96225 (1.00)	359941 (3.68)	117 (1.00)
<i>prrf1 949</i>	83936 (1.15)	485161 (2.73)	117 (1.00)
<i>prrfz 949</i>	76378 (1.10)	194953 (6.79)	117 (1.00)
PRRF 949	76378 (1.00)	621218 (2.13)	117 (1.00)
<i>rtghi</i>	76378 (1.00)	3582 (369.53)	117 (1.00)
<i>etghi</i>	76378 (1.00)	26950 (49.12)	117 (1.00)
<i>tgdedx1</i>	67468 (1.13)	245341 (5.40)	117 (1.00)
<i>tgdedx2</i>	63400 (1.06)	113669 (11.64)	117 (1.00)
tgdedx	63400 (1.00)	373308 (3.55)	117 (1.00)
<i>tglike1 cur</i>	57369 (1.11)	198124 (6.68)	117 (1.00)
<i>tglike2 cur</i>	53986 (1.06)	172397 (7.68)	117 (1.00)
TGLIKE cur	53986 (1.00)	264217 (5.01)	117 (1.00)
<i>tgdb4 cur</i>	49903 (1.08)	110243 (12.01)	117 (1.00)
<i>tgdb4tip cur</i>	36629 (1.36)	345350 (3.83)	117 (1.00)
<i>tgdvxtip cur</i>	31634 (1.16)	196152 (6.75)	117 (1.00)
<i>tgdvxpi cur</i>	30512 (1.04)	149152 (8.87)	117 (1.00)
TGB4 cur	30512 (1.00)	520391 (2.54)	117 (1.00)
<i>pigap cur</i>	29962 (1.02)	95192 (13.91)	117 (1.00)
KIN 949	29962 (1.00)	1200615 (1.10)	117 (1.00)
<i>tgpv cur</i>	19325 (1.55)	460389 (2.88)	121 (1.03)
<i>bwtrs</i>	16900 (1.14)	315980 (4.19)	126 (1.08)
<i>b4trs</i>	15360 (1.10)	312298 (4.24)	130 (1.11)
<i>b4ccd</i>	15283 (1.01)	16598 (79.75)	117 (1.00)
<i>tgqualt</i>	12261 (1.25)	112817 (11.73)	117 (1.00)
<i>timcon</i>	12189 (1.01)	17411 (76.02)	118 (1.01)
<i>epitg 949</i>	12184 (1.00)	40504 (32.68)	117 (1.00)
<i>tger 949</i>	12168 (1.00)	38705 (34.20)	117 (1.00)
<i>targf 949</i>	11713 (1.04)	194838 (6.79)	118 (1.01)
<i>ticcon 949</i>	11712 (1.00)	256 (5170.52)	117 (1.00)

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Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>dtgttp</i> 949	11711 (1.00)	1096 (1207.71)	117 (1.00)
<i>rtdif</i> 949	11494 (1.02)	27597 (47.96)	117 (1.00)
<i>epimaxk</i> 949	11393 (1.01)	87311 (15.16)	118 (1.01)
<i>drp</i> 949	11196 (1.02)	26739 (49.50)	117 (1.00)
<i>phivtx1</i> 949	9597 (1.17)	297616 (4.45)	135 (1.15)
<i>eccon</i> 949	9405 (1.02)	60740 (21.79)	119 (1.02)
<i>opsveto</i> 949	7379 (1.27)	440046 (3.01)	166 (1.42)
<i>kic</i> 949	6300 (1.17)	251430 (5.26)	117 (1.00)
<i>tggeo</i>	4821 (1.31)	566378 (2.34)	150 (1.28)
<i>tdedge</i> 949	4653 (1.04)	172687 (7.67)	122 (1.04)
<i>tgzfool</i> 949	4653 (1.00)	22267 (59.44)	117 (1.00)
<i>upvtrs</i>	4114 (1.13)	87418 (15.14)	141 (1.21)
<i>rvtrs</i>	4097 (1.00)	26032 (50.85)	117 (1.00)
<i>tgtcon</i>	3874 (1.06)	114928 (11.52)	123 (1.05)
<i>b4etcon</i>	3778 (1.03)	40577 (32.62)	121 (1.03)
<i>b4ekz cur</i>	1141 (3.31)	861527 (1.54)	352 (3.01)
<i>b4ekzic cur</i>	1141 (1.00)	148641 (8.91)	117 (1.00)
<i>b4tim off</i>	1141 (1.00)	0 (1323652.00)	117 (1.00)
<i>tgktim off</i>	1141 (1.00)	0 (1323652.00)	117 (1.00)
<i>tgenr off</i>	1141 (1.00)	0 (1323652.00)	117 (1.00)
<i>chi567 off</i>	1141 (1.00)	0 (1323652.00)	117 (1.00)
<i>npitg</i>	1141 (1.00)	112817 (11.73)	117 (1.00)
<i>verrng off</i>	1141 (1.00)	0 (1323652.00)	117 (1.00)
<i>chi5max off</i>	1141 (1.00)	0 (1323652.00)	117 (1.00)
<i>angli off</i>	1141 (1.00)	0 (1323652.00)	117 (1.00)
<i>ALLK fit off</i>	1141 (1.00)	0 (1323652.00)	117 (1.00)
<i>tpics off</i>	1141 (1.00)	0 (1323652.00)	117 (1.00)
<i>epionk off</i>	1141 (1.00)	0 (1323652.00)	117 (1.00)
<i>ccd pul off</i>	1141 (1.00)	0 (1323652.00)	117 (1.00)
<i>timkf off</i>	1141 (1.00)	0 (1323652.00)	117 (1.00)
<i>DELCO</i> 949	596 (1.91)	449496 (2.94)	117 (1.00)
<i>cktrs cur</i>	417 (1.43)	512538 (2.58)	119 (1.02)
<i>cktail cur</i>	388 (1.07)	303397 (4.36)	119 (1.02)
<i>pv(nottg) cur</i>	291 (1.33)	612353 (2.16)	136 (1.16)
<i>pi flg</i>	289 (1.01)	38168 (34.68)	117 (1.00)
<i>ev502</i>	249 (1.16)	344517 (3.84)	117 (1.00)
<i>elveto</i>	225 (1.11)	304340 (4.35)	117 (1.00)
<i>tdfool</i>	225 (1.00)	224314 (5.90)	117 (1.00)
<i>tdvarnn02</i>	184 (1.22)	465966 (2.84)	117 (1.00)
TD	184 (1.00)	715107 (1.85)	117 (1.00)
<i>cpitrs · cpitail</i>	183 (1.01)	894679 (1.48)	118 (1.01)
<i>b4dedx cur</i>	117 (1.56)	296881 (4.46)	183 (1.56)
Total Rej.		1.56	

Table 13: 1-Beam Normalization. Branch no. 5

Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>BOX</i>	1323652 (0.00)	0 (1323652.00)	0 (0.00)
<i>rsdedxmax cur</i>	1323652 (1.00)	0 (1323652.00)	0 (0.00)
<i>rsdedxcl 949</i>	1323652 (1.00)	0 (1323652.00)	0 (0.00)
<i>rslike cur</i>	1323652 (1.00)	0 (1323652.00)	0 (0.00)
<i>rngmom cur</i>	963711 (1.37)	359941 (3.68)	0 (0.00)
<i>BOX</i>	963711 (1.00)	0 (1323652.00)	0 (0.00)
<i>icodel14</i>	963711 (1.00)	5 (264730.00)	0 (0.00)
<i>cos3d</i>	880483 (1.09)	99069 (13.36)	0 (0.00)
<i>layv4</i>	880483 (1.00)	0 (1323652.00)	0 (0.00)
<i>zfrf</i>	879419 (1.00)	2075 (637.90)	0 (0.00)
<i>zutout</i>	878925 (1.00)	1044 (1267.87)	0 (0.00)
FIDUCIAL 949	121577 (7.23)	1176524 (1.13)	1 (1.00)
<i>utqual 949</i>	96225 (1.26)	406841 (3.25)	0 (0.00)
<i>rsdedxcl 949</i>	96225 (1.00)	0 (1323652.00)	0 (0.00)
<i>rsdedxmax cur</i>	96225 (1.00)	0 (1323652.00)	0 (0.00)
<i>rslike cur</i>	96225 (1.00)	0 (1323652.00)	0 (0.00)
<i>tgktim off</i>	96225 (1.00)	0 (1323652.00)	0 (0.00)
<i>rngmom cur</i>	96225 (1.00)	359941 (3.68)	0 (0.00)
<i>prrf1 949</i>	83936 (1.15)	485161 (2.73)	0 (0.00)
<i>prrfz 949</i>	76378 (1.10)	194953 (6.79)	0 (0.00)
PRRF 949	76378 (1.00)	621218 (2.13)	0 (0.00)
<i>rtghi</i>	76378 (1.00)	3582 (369.53)	0 (0.00)
<i>etghi</i>	76378 (1.00)	26950 (49.12)	0 (0.00)
<i>tgdedx1</i>	67468 (1.13)	245341 (5.40)	0 (0.00)
<i>tgdedx2</i>	63400 (1.06)	113669 (11.64)	0 (0.00)
tgdedx	63400 (1.00)	373308 (3.55)	0 (0.00)
<i>tglike1 cur</i>	57369 (1.11)	198124 (6.68)	0 (0.00)
<i>tglike2 cur</i>	53986 (1.06)	172397 (7.68)	0 (0.00)
TGLIKE cur	53986 (1.00)	264217 (5.01)	0 (0.00)
<i>tgdb4 cur</i>	49903 (1.08)	110243 (12.01)	0 (0.00)
<i>tgdb4tip cur</i>	36629 (1.36)	345350 (3.83)	0 (0.00)
<i>tgdvxtip cur</i>	31634 (1.16)	196152 (6.75)	0 (0.00)
<i>tgdvxpi cur</i>	30512 (1.04)	149152 (8.87)	0 (0.00)
TGB4 cur	30512 (1.00)	520391 (2.54)	0 (0.00)
<i>pigap cur</i>	29962 (1.02)	95192 (13.91)	0 (0.00)
KIN 949	29962 (1.00)	1200615 (1.10)	0 (0.00)
<i>tgpv cur</i>	19325 (1.55)	460389 (2.88)	0 (0.00)
<i>bwtrs</i>	16900 (1.14)	315980 (4.19)	0 (0.00)
<i>b4trs</i>	15360 (1.10)	312298 (4.24)	0 (0.00)
<i>b4ccd</i>	15283 (1.01)	16598 (79.75)	0 (0.00)
<i>tgqualt</i>	12261 (1.25)	112817 (11.73)	0 (0.00)
<i>timcon</i>	12189 (1.01)	17411 (76.02)	0 (0.00)
<i>epitg 949</i>	12184 (1.00)	40504 (32.68)	0 (0.00)
<i>tger 949</i>	12168 (1.00)	38705 (34.20)	0 (0.00)
<i>targf 949</i>	11713 (1.04)	194838 (6.79)	0 (0.00)
<i>ticcon 949</i>	11712 (1.00)	256 (5170.52)	0 (0.00)

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Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>dtgttp</i> 949	11711 (1.00)	1096 (1207.71)	0 (0.00)
<i>rtdif</i> 949	11494 (1.02)	27597 (47.96)	0 (0.00)
<i>epimaxk</i> 949	11393 (1.01)	87311 (15.16)	0 (0.00)
<i>drp</i> 949	11196 (1.02)	26739 (49.50)	0 (0.00)
<i>phivtx1</i> 949	9597 (1.17)	297616 (4.45)	0 (0.00)
<i>ecccon</i> 949	9405 (1.02)	60740 (21.79)	0 (0.00)
<i>opsveto</i> 949	7379 (1.27)	440046 (3.01)	0 (0.00)
<i>kic</i> 949	6300 (1.17)	251430 (5.26)	0 (0.00)
<i>tggeo</i>	4821 (1.31)	566378 (2.34)	0 (0.00)
<i>tdedge</i> 949	4653 (1.04)	172687 (7.67)	0 (0.00)
<i>tgzfool</i> 949	4653 (1.00)	22267 (59.44)	0 (0.00)
<i>upvtrs</i>	4114 (1.13)	87418 (15.14)	0 (0.00)
<i>rvtrs</i>	4097 (1.00)	26032 (50.85)	0 (0.00)
<i>tgtcon</i>	3874 (1.06)	114928 (11.52)	0 (0.00)
<i>b4etcon</i>	3778 (1.03)	40577 (32.62)	0 (0.00)
<i>b4ekz cur</i>	1141 (3.31)	861527 (1.54)	3 (3.00)
<i>b4ekzic cur</i>	1141 (1.00)	148641 (8.91)	0 (0.00)
<i>b4tim off</i>	1141 (1.00)	0 (1323652.00)	0 (0.00)
<i>tgktim off</i>	1141 (1.00)	0 (1323652.00)	0 (0.00)
<i>tgenr off</i>	1141 (1.00)	0 (1323652.00)	0 (0.00)
<i>chi567 off</i>	1141 (1.00)	0 (1323652.00)	0 (0.00)
<i>npitg</i>	1141 (1.00)	112817 (11.73)	0 (0.00)
<i>verrng off</i>	1141 (1.00)	0 (1323652.00)	0 (0.00)
<i>chi5max off</i>	1141 (1.00)	0 (1323652.00)	0 (0.00)
<i>angli off</i>	1141 (1.00)	0 (1323652.00)	0 (0.00)
<i>ALLK fit off</i>	1141 (1.00)	0 (1323652.00)	0 (0.00)
<i>tpics off</i>	1141 (1.00)	0 (1323652.00)	0 (0.00)
<i>epionk off</i>	1141 (1.00)	0 (1323652.00)	0 (0.00)
<i>ccd pul off</i>	1141 (1.00)	0 (1323652.00)	0 (0.00)
<i>timkf off</i>	1141 (1.00)	0 (1323652.00)	0 (0.00)
<i>DELCO</i> 949	596 (1.91)	449496 (2.94)	1 (1.00)
<i>cktrs cur</i>	417 (1.43)	512538 (2.58)	3 (3.00)
<i>cktail cur</i>	388 (1.07)	303397 (4.36)	0 (0.00)
<i>pv(nottg) cur</i>	291 (1.33)	612353 (2.16)	0 (0.00)
<i>pi flg</i>	289 (1.01)	38168 (34.68)	0 (0.00)
<i>ev502</i>	249 (1.16)	344517 (3.84)	0 (0.00)
<i>elveto</i>	225 (1.11)	304340 (4.35)	0 (0.00)
<i>tdfool</i>	225 (1.00)	224314 (5.90)	0 (0.00)
<i>tdvarnn02</i>	184 (1.22)	465966 (2.84)	0 (0.00)
TD	184 (1.00)	715107 (1.85)	0 (0.00)
<i>b4dedx</i>	66 (2.79)	1026771 (1.29)	1 (1.00)
<i>cpitrs cur</i>	0 (66.00)	427884 (3.09)	59 (59.00)
<i>cpitail cur</i>	0 (0.00)	76123 (17.39)	0 (0.00)
Total Rej.	66.00		

Table 14: 2-Beam Rejection. Branch no. 1

Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>BOX</i>	1323652 (0.00)	0 (1323652.00)	488 (1.00)
<i>rsdedxmax cur</i>	1323652 (1.00)	0 (1323652.00)	488 (1.00)
<i>rsdedxcl 949</i>	1323652 (1.00)	0 (1323652.00)	488 (1.00)
<i>rslike cur</i>	1323652 (1.00)	0 (1323652.00)	488 (1.00)
<i>rngmom cur</i>	963711 (1.37)	359941 (3.68)	500 (1.02)
<i>pv(nottg) cur</i>	467029 (2.06)	612353 (2.16)	4223 (8.65)
<i>pi_flg</i>	465120 (1.00)	38168 (34.68)	488 (1.00)
<i>ev502</i>	377258 (1.23)	344517 (3.84)	488 (1.00)
<i>elveto</i>	345524 (1.09)	304340 (4.35)	488 (1.00)
<i>tdfool</i>	344600 (1.00)	224314 (5.90)	488 (1.00)
<i>tdvarnn02</i>	282969 (1.22)	465966 (2.84)	488 (1.00)
TD	282969 (1.00)	715107 (1.85)	488 (1.00)
<i>b4dedx cur</i>	169357 (1.67)	296881 (4.46)	506 (1.04)
<i>tgqualt</i>	151467 (1.12)	112817 (11.73)	521 (1.07)
<i>timcon</i>	149664 (1.01)	17411 (76.02)	494 (1.01)
<i>DELCO 949</i>	45396 (3.30)	874156 (1.51)	763 (1.56)
<i>tger 949</i>	42748 (1.06)	38705 (34.20)	520 (1.07)
<i>tgz fool 949</i>	42256 (1.01)	22267 (59.44)	497 (1.02)
<i>upvtrs</i>	38376 (1.10)	87418 (15.14)	497 (1.02)
<i>rvtrs</i>	37724 (1.02)	26032 (50.85)	509 (1.04)
<i>b4etcon</i>	36860 (1.02)	40577 (32.62)	497 (1.02)
<i>b4trs · b4ccd</i>	29180 (1.26)	1002273 (1.32)	2519 (5.16)
<i>cpitrs cur</i>	10619 (2.75)	427884 (3.09)	583 (1.19)
<i>cpitail cur</i>	10598 (1.00)	76123 (17.39)	488 (1.00)
$1.1 < b4ars_atc < 5.$	7565 (1.40)	698425 (1.90)	890 (1.82)
<i>bwtrs</i>	628 (12.05)	315980 (4.19)	783 (1.60)
<i>cktrs cur</i>	498 (1.26)	512538 (2.58)	544 (1.11)
<i>cktail cur</i>	488 (1.02)	303397 (4.36)	498 (1.02)
Total Rej.	15.50		

Table 15: 2-Beam Rejection. Branch no. 2

Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>BOX</i>	1323652 (0.00)	0 (1323652.00)	360 (1.00)
<i>rsdedxmax cur</i>	1323652 (1.00)	0 (1323652.00)	360 (1.00)
<i>rsdedxcl 949</i>	1323652 (1.00)	0 (1323652.00)	360 (1.00)
<i>rslike cur</i>	1323652 (1.00)	0 (1323652.00)	360 (1.00)
<i>rngmom cur</i>	963711 (1.37)	359941 (3.68)	371 (1.03)
<i>pv(nottg) cur</i>	467029 (2.06)	612353 (2.16)	4030 (11.19)
<i>pi_flg</i>	465120 (1.00)	38168 (34.68)	360 (1.00)
<i>ev502</i>	377258 (1.23)	344517 (3.84)	360 (1.00)
<i>elveto</i>	345524 (1.09)	304340 (4.35)	360 (1.00)
<i>tdfool</i>	344600 (1.00)	224314 (5.90)	360 (1.00)
<i>tdvarnn02</i>	282969 (1.22)	465966 (2.84)	360 (1.00)
TD	282969 (1.00)	715107 (1.85)	360 (1.00)
<i>b4dedx cur</i>	169357 (1.67)	296881 (4.46)	370 (1.03)
<i>tgqualt</i>	151467 (1.12)	112817 (11.73)	391 (1.09)
<i>timcon</i>	149664 (1.01)	17411 (76.02)	361 (1.00)
<i>DELCO 949</i>	45396 (3.30)	874156 (1.51)	548 (1.52)
<i>tger 949</i>	42748 (1.06)	38705 (34.20)	361 (1.00)
<i>tgz fool 949</i>	42256 (1.01)	22267 (59.44)	360 (1.00)
<i>upvtrs</i>	38376 (1.10)	87418 (15.14)	370 (1.03)
<i>rvtrs</i>	37724 (1.02)	26032 (50.85)	373 (1.04)
<i>b4etcon</i>	36860 (1.02)	40577 (32.62)	365 (1.01)
<i>b4trs · b4ccd</i>	29180 (1.26)	1002273 (1.32)	3895 (10.82)
<i>cktrs cur</i>	19845 (1.47)	512538 (2.58)	378 (1.05)
<i>cktail cur</i>	19579 (1.01)	303397 (4.36)	362 (1.01)
<i>b4ars_atc < 1.1</i>	11594 (1.69)	636357 (2.08)	735 (2.04)
<i>tgz > -7.0</i>	10122 (1.15)	224915 (5.89)	393 (1.09)
<i>bwtrs</i>	523 (19.35)	315980 (4.19)	550 (1.53)
<i>cpitrs cur</i>	360 (1.45)	427884 (3.09)	489 (1.36)
<i>cpitail cur</i>	360 (1.00)	76123 (17.39)	360 (1.00)
Total Rej.	28.12		

Table 16: 2-Beam Normalization. Branch no. 1

Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>BOX</i>	1323652 (0.00)	0 (1323652.00)	4 (1.00)
<i>rsdedxmax cur</i>	1323652 (1.00)	0 (1323652.00)	4 (1.00)
<i>rsdedxcl 949</i>	1323652 (1.00)	0 (1323652.00)	4 (1.00)
<i>rslike cur</i>	1323652 (1.00)	0 (1323652.00)	4 (1.00)
<i>pv(nottg) cur</i>	711299 (1.86)	612353 (2.16)	58 (14.50)
<i>tgqualt</i>	652446 (1.09)	112817 (11.73)	4 (1.00)
<i>timcon</i>	645839 (1.01)	17411 (76.02)	4 (1.00)
<i>epitg 949</i>	632278 (1.02)	40504 (32.68)	4 (1.00)
<i>tger 949</i>	619682 (1.02)	38705 (34.20)	4 (1.00)
<i>ticcon 949</i>	619661 (1.00)	256 (5170.52)	4 (1.00)
<i>dtgttp 949</i>	619582 (1.00)	1096 (1207.71)	4 (1.00)
<i>rtdif 949</i>	605153 (1.02)	27597 (47.96)	4 (1.00)
<i>drp 949</i>	592956 (1.02)	26739 (49.50)	4 (1.00)
<i>iccon 949</i>	578144 (1.03)	60740 (21.79)	5 (1.25)
<i>kic 949</i>	506527 (1.14)	251430 (5.26)	4 (1.00)
<i>tggeo</i>	425213 (1.19)	566378 (2.34)	8 (2.00)
<i>tgzfool 949</i>	422580 (1.01)	22267 (59.44)	4 (1.00)
<i>upvtrs</i>	390030 (1.08)	87418 (15.14)	4 (1.00)
<i>rvtrs</i>	386784 (1.01)	26032 (50.85)	4 (1.00)
<i>tgcon</i>	366314 (1.06)	114928 (11.52)	7 (1.75)
<i>b4etcon</i>	355866 (1.03)	40577 (32.62)	4 (1.00)
<i>b4tim off</i>	355866 (1.00)	0 (1323652.00)	4 (1.00)
<i>tgktim off</i>	355866 (1.00)	0 (1323652.00)	4 (1.00)
<i>tgenr off</i>	355866 (1.00)	0 (1323652.00)	4 (1.00)
<i>chi567 off</i>	355866 (1.00)	0 (1323652.00)	4 (1.00)
<i>npitg</i>	355866 (1.00)	112817 (11.73)	4 (1.00)
<i>verrng off</i>	355866 (1.00)	0 (1323652.00)	4 (1.00)
<i>chi5max off</i>	355866 (1.00)	0 (1323652.00)	4 (1.00)
<i>angli off</i>	355866 (1.00)	0 (1323652.00)	4 (1.00)
<i>ALLK fit off</i>	355866 (1.00)	0 (1323652.00)	4 (1.00)
<i>tpics off</i>	355866 (1.00)	0 (1323652.00)	4 (1.00)
<i>epionk off</i>	355866 (1.00)	0 (1323652.00)	4 (1.00)
<i>ccd pul off</i>	355866 (1.00)	0 (1323652.00)	4 (1.00)
<i>timkf off</i>	355866 (1.00)	0 (1323652.00)	4 (1.00)
<i>DELCO 949</i>	55038 (6.47)	874156 (1.51)	237 (59.25)
<i>b4dedx cur</i>	53097 (1.04)	296881 (4.46)	4 (1.00)
<i>cpitrs cur</i>	39391 (1.35)	427884 (3.09)	27 (6.75)
<i>cpitail cur</i>	39372 (1.00)	76123 (17.39)	4 (1.00)
<i>cktrs · cktail · bwtrs</i>	29336 (1.34)	625708 (2.12)	41 (10.25)
<i>BOX</i>	29336 (1.00)	0 (1323652.00)	4 (1.00)
<i>icodel14</i>	29336 (1.00)	5 (264730.00)	4 (1.00)
<i>cos3d</i>	27729 (1.06)	99069 (13.36)	4 (1.00)
<i>layv4</i>	27729 (1.00)	0 (1323652.00)	4 (1.00)
<i>zfrf</i>	27714 (1.00)	2075 (637.90)	4 (1.00)
<i>zutout</i>	27688 (1.00)	1044 (1267.87)	4 (1.00)
FIDUCIAL 949	1845 (15.01)	1176524 (1.13)	46 (11.50)

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Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>utcqual</i> 949	1557 (1.18)	406841 (3.25)	4 (1.00)
<i>rsdedxcl</i> 949	1557 (1.00)	0 (1323652.00)	4 (1.00)
<i>rsdedxmax</i> <i>cur</i>	1557 (1.00)	0 (1323652.00)	4 (1.00)
<i>rslike</i> <i>cur</i>	1557 (1.00)	0 (1323652.00)	4 (1.00)
<i>tgktim</i> <i>off</i>	1557 (1.00)	0 (1323652.00)	4 (1.00)
<i>rngmom</i> <i>cur</i>	172 (9.05)	359941 (3.68)	4 (1.00)
<i>prrf1</i> 949	148 (1.16)	485161 (2.73)	4 (1.00)
<i>prrfz</i> 949	129 (1.15)	194953 (6.79)	4 (1.00)
PRRF 949	129 (1.00)	621218 (2.13)	4 (1.00)
<i>rtghi</i>	129 (1.00)	3582 (369.53)	4 (1.00)
<i>etghi</i>	129 (1.00)	26950 (49.12)	4 (1.00)
<i>tgdedx1</i>	112 (1.15)	245341 (5.40)	4 (1.00)
<i>tgdedx2</i>	96 (1.17)	113669 (11.64)	4 (1.00)
tgdedx	96 (1.00)	373308 (3.55)	4 (1.00)
<i>tglike1</i> <i>cur</i>	80 (1.20)	198124 (6.68)	4 (1.00)
<i>tglike2</i> <i>cur</i>	77 (1.04)	172397 (7.68)	4 (1.00)
TGLIKE <i>cur</i>	77 (1.00)	264217 (5.01)	4 (1.00)
<i>tgdb4</i> <i>cur</i>	73 (1.05)	110243 (12.01)	4 (1.00)
<i>tgdb4tip</i> <i>cur</i>	55 (1.33)	345350 (3.83)	4 (1.00)
<i>tgdvxtip</i> <i>cur</i>	46 (1.20)	196152 (6.75)	4 (1.00)
<i>tgdvxpi</i> <i>cur</i>	42 (1.10)	149152 (8.87)	4 (1.00)
TGB4 <i>cur</i>	42 (1.00)	520391 (2.54)	4 (1.00)
<i>pigap</i> <i>cur</i>	38 (1.11)	95192 (13.91)	4 (1.00)
KIN 949	38 (1.00)	1200615 (1.10)	4 (1.00)
<i>piflg</i>	38 (1.00)	38168 (34.68)	4 (1.00)
<i>ev502</i>	36 (1.06)	344517 (3.84)	4 (1.00)
<i>elveto</i>	31 (1.16)	304340 (4.35)	4 (1.00)
<i>tdfool</i>	30 (1.03)	224314 (5.90)	4 (1.00)
<i>tdvarnn02</i>	28 (1.07)	465966 (2.84)	4 (1.00)
TD	28 (1.00)	715107 (1.85)	4 (1.00)
<i>b4trs</i>	5 (5.60)	312298 (4.24)	26 (6.50)
<i>b4ccd</i>	4 (1.25)	16598 (79.75)	5 (1.25)
Total Rej.	7.00		

Table 17: 2-Beam Normalization. Branch no. 2

Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>BOX</i>	1323652 (0.00)	0 (1323652.00)	0 (0.00)
<i>rsdedxmax cur</i>	1323652 (1.00)	0 (1323652.00)	0 (0.00)
<i>rsdedxcl 949</i>	1323652 (1.00)	0 (1323652.00)	0 (0.00)
<i>rslike cur</i>	1323652 (1.00)	0 (1323652.00)	0 (0.00)
<i>pv(nottg) cur</i>	711299 (1.86)	612353 (2.16)	14 (14.00)
<i>tgqualt</i>	652446 (1.09)	112817 (11.73)	0 (0.00)
<i>timcon</i>	645839 (1.01)	17411 (76.02)	0 (0.00)
<i>epitg 949</i>	632278 (1.02)	40504 (32.68)	0 (0.00)
<i>tger 949</i>	619682 (1.02)	38705 (34.20)	0 (0.00)
<i>ticcon 949</i>	619661 (1.00)	256 (5170.52)	0 (0.00)
<i>dtgttp 949</i>	619582 (1.00)	1096 (1207.71)	0 (0.00)
<i>rtdif 949</i>	605153 (1.02)	27597 (47.96)	0 (0.00)
<i>drp 949</i>	592956 (1.02)	26739 (49.50)	0 (0.00)
<i>iccon 949</i>	578144 (1.03)	60740 (21.79)	1 (1.00)
<i>kic 949</i>	506527 (1.14)	251430 (5.26)	0 (0.00)
<i>tggeo</i>	425213 (1.19)	566378 (2.34)	0 (0.00)
<i>tgz fool 949</i>	422580 (1.01)	22267 (59.44)	0 (0.00)
<i>upvtrs</i>	390030 (1.08)	87418 (15.14)	0 (0.00)
<i>rvtrs</i>	386784 (1.01)	26032 (50.85)	0 (0.00)
<i>tgcon</i>	366314 (1.06)	114928 (11.52)	3 (3.00)
<i>b4etcon</i>	355866 (1.03)	40577 (32.62)	0 (0.00)
<i>b4tim off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>tgktim off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>tgenr off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>chi567 off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>npitg</i>	355866 (1.00)	112817 (11.73)	0 (0.00)
<i>verrng off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>chi5max off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>angli off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>ALLK fit off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>tpics off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>epionk off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>ccd pul off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>timkf off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>DELCO 949</i>	55038 (6.47)	874156 (1.51)	55 (55.00)
<i>b4dedx cur</i>	53097 (1.04)	296881 (4.46)	0 (0.00)
<i>cpitrs cur</i>	39391 (1.35)	427884 (3.09)	0 (0.00)
<i>cpitail cur</i>	39372 (1.00)	76123 (17.39)	0 (0.00)
<i>cktrs · cktail · bwtrs</i>	29336 (1.34)	625708 (2.12)	14 (14.00)
<i>BOX</i>	29336 (1.00)	0 (1323652.00)	0 (0.00)
<i>icodel14</i>	29336 (1.00)	5 (264730.00)	0 (0.00)
<i>cos3d</i>	27729 (1.06)	99069 (13.36)	0 (0.00)
<i>layv4</i>	27729 (1.00)	0 (1323652.00)	0 (0.00)
<i>zfrf</i>	27714 (1.00)	2075 (637.90)	0 (0.00)
<i>zutout</i>	27688 (1.00)	1044 (1267.87)	0 (0.00)
FIDUCIAL 949	1845 (15.01)	1176524 (1.13)	10 (10.00)

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Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>utcqual</i> 949	1557 (1.18)	406841 (3.25)	0 (0.00)
<i>rsdedxcl</i> 949	1557 (1.00)	0 (1323652.00)	0 (0.00)
<i>rsdedxmax</i> cur	1557 (1.00)	0 (1323652.00)	0 (0.00)
<i>rslike</i> cur	1557 (1.00)	0 (1323652.00)	0 (0.00)
<i>tgktim</i> of <i>f</i>	1557 (1.00)	0 (1323652.00)	0 (0.00)
<i>rngmom</i> cur	172 (9.05)	359941 (3.68)	0 (0.00)
<i>prrf1</i> 949	148 (1.16)	485161 (2.73)	0 (0.00)
<i>prrfz</i> 949	129 (1.15)	194953 (6.79)	0 (0.00)
PRRF 949	129 (1.00)	621218 (2.13)	0 (0.00)
<i>rtghi</i>	129 (1.00)	3582 (369.53)	0 (0.00)
<i>etghi</i>	129 (1.00)	26950 (49.12)	0 (0.00)
<i>tgdedx1</i>	112 (1.15)	245341 (5.40)	0 (0.00)
<i>tgdedx2</i>	96 (1.17)	113669 (11.64)	0 (0.00)
tgdedx	96 (1.00)	373308 (3.55)	0 (0.00)
<i>tglike1</i> cur	80 (1.20)	198124 (6.68)	0 (0.00)
<i>tglike2</i> cur	77 (1.04)	172397 (7.68)	0 (0.00)
TGLIKE cur	77 (1.00)	264217 (5.01)	0 (0.00)
<i>tgdb4</i> cur	73 (1.05)	110243 (12.01)	0 (0.00)
<i>tgdb4tip</i> cur	55 (1.33)	345350 (3.83)	0 (0.00)
<i>tgdvxtip</i> cur	46 (1.20)	196152 (6.75)	0 (0.00)
<i>tgdvxpi</i> cur	42 (1.10)	149152 (8.87)	0 (0.00)
TGB4 cur	42 (1.00)	520391 (2.54)	0 (0.00)
<i>pigap</i> cur	38 (1.11)	95192 (13.91)	0 (0.00)
KIN 949	38 (1.00)	1200615 (1.10)	0 (0.00)
<i>piflg</i>	38 (1.00)	38168 (34.68)	0 (0.00)
<i>ev502</i>	36 (1.06)	344517 (3.84)	0 (0.00)
<i>elveto</i>	31 (1.16)	304340 (4.35)	0 (0.00)
<i>tdfool</i>	30 (1.03)	224314 (5.90)	0 (0.00)
<i>tdvarnn02</i>	28 (1.07)	465966 (2.84)	0 (0.00)
TD	28 (1.00)	715107 (1.85)	0 (0.00)
<i>targf</i> 949	9 (3.11)	194838 (6.79)	0 (0.00)
<i>b4ekz</i> cur	3 (3.00)	861527 (1.54)	0 (0.00)
<i>epimaxk</i> 949	3 (1.00)	87311 (15.16)	0 (0.00)
<i>phivtx1</i> 949	0 (3.00)	297616 (4.45)	0 (0.00)
<i>opsveto</i> 949	0 (0.00)	440046 (3.01)	0 (0.00)
<i>tdedge</i> 949	0 (0.00)	172687 (7.67)	0 (0.00)
<i>tgccdpf</i> null	0 (0.00)	0 (1323652.00)	0 (0.00)
<i>rtghi</i>	0 (0.00)	3582 (369.53)	0 (0.00)
<i>etghi</i>	0 (0.00)	26950 (49.12)	0 (0.00)
<i>tgdedx1</i>	0 (0.00)	245341 (5.40)	0 (0.00)
<i>tgdedx2</i>	0 (0.00)	113669 (11.64)	0 (0.00)
tgdedx	0 (0.00)	373308 (3.55)	0 (0.00)
<i>tglike1</i> cur	0 (0.00)	198124 (6.68)	0 (0.00)
<i>tglike2</i> cur	0 (0.00)	172397 (7.68)	0 (0.00)
TGLIKE cur	0 (0.00)	264217 (5.01)	0 (0.00)
<i>tgdb4</i> cur	0 (0.00)	110243 (12.01)	0 (0.00)

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Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>tgdb4tip cur</i>	0 (0.00)	345350 (3.83)	0 (0.00)
<i>tgdvxtip cur</i>	0 (0.00)	196152 (6.75)	0 (0.00)
<i>tgdvxpi cur</i>	0 (0.00)	149152 (8.87)	0 (0.00)
TGB4 cur	0 (0.00)	520391 (2.54)	0 (0.00)
<i>pigap cur</i>	0 (0.00)	95192 (13.91)	0 (0.00)
TGKIN	0 (0.00)	809986 (1.63)	0 (0.00)
<i>tgpv cur</i>	0 (0.00)	460389 (2.88)	0 (0.00)
Total Rej.	28.00		

Table 18: 2-Beam Normalization. Branch no. 3

Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>BOX</i>	1323652 (0.00)	0 (1323652.00)	29 (1.00)
<i>rsdedxmax cur</i>	1323652 (1.00)	0 (1323652.00)	29 (1.00)
<i>rsdedxcl 949</i>	1323652 (1.00)	0 (1323652.00)	29 (1.00)
<i>rslike cur</i>	1323652 (1.00)	0 (1323652.00)	29 (1.00)
<i>pv(nottg) cur</i>	711299 (1.86)	612353 (2.16)	70 (2.41)
<i>tgqualt</i>	652446 (1.09)	112817 (11.73)	29 (1.00)
<i>timcon</i>	645839 (1.01)	17411 (76.02)	29 (1.00)
<i>epitg 949</i>	632278 (1.02)	40504 (32.68)	29 (1.00)
<i>tger 949</i>	619682 (1.02)	38705 (34.20)	29 (1.00)
<i>ticcon 949</i>	619661 (1.00)	256 (5170.52)	29 (1.00)
<i>dtgttp 949</i>	619582 (1.00)	1096 (1207.71)	29 (1.00)
<i>rtdif 949</i>	605153 (1.02)	27597 (47.96)	31 (1.07)
<i>drp 949</i>	592956 (1.02)	26739 (49.50)	31 (1.07)
<i>eidcon 949</i>	578144 (1.03)	60740 (21.79)	31 (1.07)
<i>kic 949</i>	506527 (1.14)	251430 (5.26)	31 (1.07)
<i>tggeo</i>	425213 (1.19)	566378 (2.34)	49 (1.69)
<i>tgzfool 949</i>	422580 (1.01)	22267 (59.44)	29 (1.00)
<i>upvtrs</i>	390030 (1.08)	87418 (15.14)	32 (1.10)
<i>rvtrs</i>	386784 (1.01)	26032 (50.85)	29 (1.00)
<i>tgtcon</i>	366314 (1.06)	114928 (11.52)	34 (1.17)
<i>b4etcon</i>	355866 (1.03)	40577 (32.62)	30 (1.03)
<i>b4tim off</i>	355866 (1.00)	0 (1323652.00)	29 (1.00)
<i>tgktim off</i>	355866 (1.00)	0 (1323652.00)	29 (1.00)
<i>tgenr off</i>	355866 (1.00)	0 (1323652.00)	29 (1.00)
<i>chi567 off</i>	355866 (1.00)	0 (1323652.00)	29 (1.00)
<i>npitg</i>	355866 (1.00)	112817 (11.73)	29 (1.00)
<i>verrng off</i>	355866 (1.00)	0 (1323652.00)	29 (1.00)
<i>chi5max off</i>	355866 (1.00)	0 (1323652.00)	29 (1.00)
<i>angli off</i>	355866 (1.00)	0 (1323652.00)	29 (1.00)
<i>ALLK fit off</i>	355866 (1.00)	0 (1323652.00)	29 (1.00)
<i>tpics off</i>	355866 (1.00)	0 (1323652.00)	29 (1.00)
<i>epionk off</i>	355866 (1.00)	0 (1323652.00)	29 (1.00)
<i>ccd pul off</i>	355866 (1.00)	0 (1323652.00)	29 (1.00)
<i>timkf off</i>	355866 (1.00)	0 (1323652.00)	29 (1.00)
<i>DELCO 949</i>	55038 (6.47)	874156 (1.51)	799 (27.55)
<i>b4dedx cur</i>	53097 (1.04)	296881 (4.46)	30 (1.03)
<i>cktrs cur</i>	25448 (2.09)	512538 (2.58)	31 (1.07)
<i>cktail cur</i>	24692 (1.03)	303397 (4.36)	29 (1.00)
<i>BOX</i>	24692 (1.00)	0 (1323652.00)	29 (1.00)
<i>icodel14</i>	24692 (1.00)	5 (264730.00)	29 (1.00)
<i>cos3d</i>	23083 (1.07)	99069 (13.36)	29 (1.00)
<i>layv4</i>	23083 (1.00)	0 (1323652.00)	29 (1.00)
<i>zfrf</i>	23055 (1.00)	2075 (637.90)	29 (1.00)
<i>zutout</i>	23025 (1.00)	1044 (1267.87)	29 (1.00)
FIDUCIAL 949	5373 (4.29)	1176524 (1.13)	70 (2.41)
<i>utqual 949</i>	4629 (1.16)	406841 (3.25)	29 (1.00)
<i>continued on next page</i>			

Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>rsdedxcl 949</i>	4629 (1.00)	0 (1323652.00)	29 (1.00)
<i>rsdedxmax cur</i>	4629 (1.00)	0 (1323652.00)	29 (1.00)
<i>rslike cur</i>	4629 (1.00)	0 (1323652.00)	29 (1.00)
<i>tgktim off</i>	4629 (1.00)	0 (1323652.00)	29 (1.00)
<i>rngmom cur</i>	4277 (1.08)	359941 (3.68)	29 (1.00)
<i>prrf1 949</i>	3727 (1.15)	485161 (2.73)	29 (1.00)
<i>prrfz 949</i>	3421 (1.09)	194953 (6.79)	29 (1.00)
PRRF 949	3421 (1.00)	621218 (2.13)	29 (1.00)
<i>rtghi</i>	3421 (1.00)	3582 (369.53)	29 (1.00)
<i>etghi</i>	3421 (1.00)	26950 (49.12)	29 (1.00)
<i>tgdedx1</i>	2932 (1.17)	245341 (5.40)	29 (1.00)
<i>tgdedx2</i>	2598 (1.13)	113669 (11.64)	29 (1.00)
tgdedx	2598 (1.00)	373308 (3.55)	29 (1.00)
<i>tglike1 cur</i>	2406 (1.08)	198124 (6.68)	29 (1.00)
<i>tglike2 cur</i>	2307 (1.04)	172397 (7.68)	29 (1.00)
TGLIKE cur	2307 (1.00)	264217 (5.01)	29 (1.00)
<i>tgdb4 cur</i>	2196 (1.05)	110243 (12.01)	29 (1.00)
<i>tgdb4tip cur</i>	1625 (1.35)	345350 (3.83)	29 (1.00)
<i>tgdvxtip cur</i>	1449 (1.12)	196152 (6.75)	29 (1.00)
<i>tgdvxpi cur</i>	1314 (1.10)	149152 (8.87)	29 (1.00)
TGB4 cur	1314 (1.00)	520391 (2.54)	29 (1.00)
<i>pigap cur</i>	1283 (1.02)	95192 (13.91)	29 (1.00)
KIN 949	1283 (1.00)	1200615 (1.10)	29 (1.00)
<i>piflg</i>	1278 (1.00)	38168 (34.68)	29 (1.00)
<i>ev502</i>	1087 (1.18)	344517 (3.84)	29 (1.00)
<i>elveto</i>	1008 (1.08)	304340 (4.35)	29 (1.00)
<i>tdfool</i>	1003 (1.00)	224314 (5.90)	29 (1.00)
<i>tdvarnn02</i>	822 (1.22)	465966 (2.84)	29 (1.00)
TD	822 (1.00)	715107 (1.85)	29 (1.00)
<i>cpitrs · cpitail · bwtrs</i>	778 (1.06)	702310 (1.88)	66 (2.28)
<i>b4trs</i>	32 (24.31)	312298 (4.24)	766 (26.41)
<i>b4ccd</i>	29 (1.10)	16598 (79.75)	32 (1.10)
Total Rej.	26.83		

Table 19: 2-Beam Normalization. Branch no. 4

Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>BOX</i>	1323652 (0.00)	0 (1323652.00)	0 (0.00)
<i>rsdedxmax cur</i>	1323652 (1.00)	0 (1323652.00)	0 (0.00)
<i>rsdedxcl 949</i>	1323652 (1.00)	0 (1323652.00)	0 (0.00)
<i>rslike cur</i>	1323652 (1.00)	0 (1323652.00)	0 (0.00)
<i>pv(nottg) cur</i>	711299 (1.86)	612353 (2.16)	8 (8.00)
<i>tgqualt</i>	652446 (1.09)	112817 (11.73)	0 (0.00)
<i>timcon</i>	645839 (1.01)	17411 (76.02)	0 (0.00)
<i>epitg 949</i>	632278 (1.02)	40504 (32.68)	0 (0.00)
<i>tger 949</i>	619682 (1.02)	38705 (34.20)	0 (0.00)
<i>ticcon 949</i>	619661 (1.00)	256 (5170.52)	0 (0.00)
<i>dtgttp 949</i>	619582 (1.00)	1096 (1207.71)	0 (0.00)
<i>rtdif 949</i>	605153 (1.02)	27597 (47.96)	0 (0.00)
<i>drp 949</i>	592956 (1.02)	26739 (49.50)	0 (0.00)
<i>eidcon 949</i>	578144 (1.03)	60740 (21.79)	1 (1.00)
<i>kic 949</i>	506527 (1.14)	251430 (5.26)	0 (0.00)
<i>tggeo</i>	425213 (1.19)	566378 (2.34)	1 (1.00)
<i>tgz fool 949</i>	422580 (1.01)	22267 (59.44)	0 (0.00)
<i>upvtrs</i>	390030 (1.08)	87418 (15.14)	0 (0.00)
<i>rvtrs</i>	386784 (1.01)	26032 (50.85)	0 (0.00)
<i>tgcon</i>	366314 (1.06)	114928 (11.52)	2 (2.00)
<i>b4etcon</i>	355866 (1.03)	40577 (32.62)	0 (0.00)
<i>b4tim off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>tgktim off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>tgenr off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>chi567 off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>npitg</i>	355866 (1.00)	112817 (11.73)	0 (0.00)
<i>verrng off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>chi5max off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>angli off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>ALLK fit off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>tpics off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>epionk off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>ccd pul off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>timkf off</i>	355866 (1.00)	0 (1323652.00)	0 (0.00)
<i>DELCO 949</i>	55038 (6.47)	874156 (1.51)	141 (141.00)
<i>b4dedx cur</i>	53097 (1.04)	296881 (4.46)	0 (0.00)
<i>cktrs cur</i>	25448 (2.09)	512538 (2.58)	0 (0.00)
<i>cktail cur</i>	24692 (1.03)	303397 (4.36)	0 (0.00)
<i>BOX</i>	24692 (1.00)	0 (1323652.00)	0 (0.00)
<i>icodel14</i>	24692 (1.00)	5 (264730.00)	0 (0.00)
<i>cos3d</i>	23083 (1.07)	99069 (13.36)	0 (0.00)
<i>layv4</i>	23083 (1.00)	0 (1323652.00)	0 (0.00)
<i>zfrf</i>	23055 (1.00)	2075 (637.90)	0 (0.00)
<i>zutout</i>	23025 (1.00)	1044 (1267.87)	0 (0.00)
FIDUCIAL 949	5373 (4.29)	1176524 (1.13)	6 (6.00)
<i>utqual 949</i>	4629 (1.16)	406841 (3.25)	0 (0.00)

continued on next page

Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>rsdedxcl</i> 949	4629 (1.00)	0 (1323652.00)	0 (0.00)
<i>rsdedxmax</i> cur	4629 (1.00)	0 (1323652.00)	0 (0.00)
<i>rslike</i> cur	4629 (1.00)	0 (1323652.00)	0 (0.00)
<i>tgktim</i> off	4629 (1.00)	0 (1323652.00)	0 (0.00)
<i>rngmom</i> cur	4277 (1.08)	359941 (3.68)	0 (0.00)
<i>prrf1</i> 949	3727 (1.15)	485161 (2.73)	0 (0.00)
<i>prrfz</i> 949	3421 (1.09)	194953 (6.79)	0 (0.00)
PRRF 949	3421 (1.00)	621218 (2.13)	0 (0.00)
<i>rtghi</i>	3421 (1.00)	3582 (369.53)	0 (0.00)
<i>etghi</i>	3421 (1.00)	26950 (49.12)	0 (0.00)
<i>tgdedx1</i>	2932 (1.17)	245341 (5.40)	0 (0.00)
<i>tgdedx2</i>	2598 (1.13)	113669 (11.64)	0 (0.00)
tgdedx	2598 (1.00)	373308 (3.55)	0 (0.00)
<i>tglike1</i> cur	2406 (1.08)	198124 (6.68)	0 (0.00)
<i>tglike2</i> cur	2307 (1.04)	172397 (7.68)	0 (0.00)
TGLIKE cur	2307 (1.00)	264217 (5.01)	0 (0.00)
<i>tgdb4</i> cur	2196 (1.05)	110243 (12.01)	0 (0.00)
<i>tgdb4tip</i> cur	1625 (1.35)	345350 (3.83)	0 (0.00)
<i>tgdvxtip</i> cur	1449 (1.12)	196152 (6.75)	0 (0.00)
<i>tgdvxpi</i> cur	1314 (1.10)	149152 (8.87)	0 (0.00)
TGB4 cur	1314 (1.00)	520391 (2.54)	0 (0.00)
<i>pigap</i> cur	1283 (1.02)	95192 (13.91)	0 (0.00)
KIN 949	1283 (1.00)	1200615 (1.10)	0 (0.00)
<i>pi_flg</i>	1278 (1.00)	38168 (34.68)	0 (0.00)
<i>ev502</i>	1087 (1.18)	344517 (3.84)	0 (0.00)
<i>elveto</i>	1008 (1.08)	304340 (4.35)	0 (0.00)
<i>tdfool</i>	1003 (1.00)	224314 (5.90)	0 (0.00)
<i>tdvarnn02</i>	822 (1.22)	465966 (2.84)	0 (0.00)
TD	822 (1.00)	715107 (1.85)	0 (0.00)
<i>cpitrs · cpitail · bwtrs</i>	778 (1.06)	702310 (1.88)	14 (14.00)
<i>targf</i> 949	418 (1.86)	194838 (6.79)	3 (3.00)
<i>b4ekz</i> cur	217 (1.93)	861527 (1.54)	3 (3.00)
<i>epimaxk</i> 949	215 (1.01)	87311 (15.16)	0 (0.00)
<i>phivtx1</i> 949	82 (2.62)	297616 (4.45)	1 (1.00)
<i>opsveto</i> 949	6 (13.67)	440046 (3.01)	2 (2.00)
<i>tdedge</i> 949	6 (1.00)	172687 (7.67)	0 (0.00)
<i>tgccdpf</i> null	6 (1.00)	0 (1323652.00)	0 (0.00)
<i>rtghi</i>	6 (1.00)	3582 (369.53)	0 (0.00)
<i>etghi</i>	6 (1.00)	26950 (49.12)	0 (0.00)
<i>tgdedx1</i>	6 (1.00)	245341 (5.40)	0 (0.00)
<i>tgdedx2</i>	6 (1.00)	113669 (11.64)	0 (0.00)
tgdedx	6 (1.00)	373308 (3.55)	0 (0.00)
<i>tglike1</i> cur	6 (1.00)	198124 (6.68)	0 (0.00)
<i>tglike2</i> cur	6 (1.00)	172397 (7.68)	0 (0.00)
TGLIKE cur	6 (1.00)	264217 (5.01)	0 (0.00)
<i>tgdb4</i> cur	6 (1.00)	110243 (12.01)	0 (0.00)

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Cuts	pnn2e949 seq	pnn2e949 single	pnn2e949 allbut
<i>tgdb4tip cur</i>	6 (1.00)	345350 (3.83)	0 (0.00)
<i>tgdvxtip cur</i>	6 (1.00)	196152 (6.75)	0 (0.00)
<i>tgdvxpi cur</i>	6 (1.00)	149152 (8.87)	0 (0.00)
TGB4 cur	6 (1.00)	520391 (2.54)	0 (0.00)
<i>pigap cur</i>	6 (1.00)	95192 (13.91)	0 (0.00)
TGKIN	6 (1.00)	809986 (1.63)	0 (0.00)
<i>tgpv cur</i>	0 (6.00)	460389 (2.88)	6 (6.00)
Total Rej.	778.00		